

Title (en)

AIR CLEANER

Title (de)

LUFTREINIGUNGSVORRICHTUNG

Title (fr)

EPURATEUR D'AIR

Publication

EP 1849523 A1 20071031 (EN)

Application

EP 06712367 A 20060126

Priority

- JP 2006301185 W 20060126
- JP 2005036689 A 20050214

Abstract (en)

Disclosed is an air purification device including a discharge part for discharging electricity in air. Low-profiling of the air purification device is accomplished while maintaining the discharge capability of the discharge part. In an ionization part (30) for electrically charging airborne dust particles, an insulating medium (60) is disposed between an ionization wire (31) serving as a discharge base end and an earth electrode (33). As a result of such arrangement, electrical discharge from the ionization wire (31) to the earth electrode (33) is obstructed while on the other hand corona discharge from the ionization wire (31) to a first electrode plate (32) is maintained, whereby the distance between the ionization wire (31) and the earth electrode (33) can be made narrow.

IPC 8 full level

B03C 3/40 (2006.01); **A61L 9/00** (2006.01); **A61L 9/22** (2006.01); **B03C 3/155** (2006.01); **B03C 3/41** (2006.01); **B03C 3/70** (2006.01)

CPC (source: EP KR US)

A61L 9/22 (2013.01 - EP US); **B03C 3/32** (2013.01 - KR); **B03C 3/41** (2013.01 - EP US); **B03C 3/70** (2013.01 - EP US);
B03C 2201/10 (2013.01 - EP US)

Citation (search report)

See references of WO 2006085439A1

Cited by

SE2250988A1; SE545994C2

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